CLMPTO 0417/04 JW

Cancel Claims 1, and 13.

Amended Claims 2,4,9-12,14,17 and 22-31

1.   (Canceled)

2.   (Currently amended) The method of claim 19[[1]] further comprising:
       transmitting each of the frames to a remote receiver; and
       de-interleaving the symbols at the remote receiver.

3.   (Original) The method of claim 2 wherein de-interleaving restores the previous series of
       frames.

4.   (Currently amended) The method of claim 19[[1]] wherein interleaving further comprises
       interleaving using a predetermined number of symbols.

5.   (Original) The method of claim 4 wherein the predetermined number of symbols to be
       interleaved are selected according to a predetermined spreading computation.

6.   (Previously Presented) A method for transmitting A/V data signals in a wireless network
       comprising:
       receiving a stream of A/V data signals, each of the data signals corresponding to a
       particular symbol;
       arranging the symbols in a series of frames; and
       interleaving the symbols in one of the frames with symbols in an adjacent one of
       frames in the series of frames using a predetermined number of symbols selected
       according to a dynamic computation.

7. (Original) The method of claim 6 wherein the predetermined number of symbols varies as a result of link transmission characteristics.

8. (Original) The method of claim 7 wherein the link transmission characteristics are selected from the group consisting of protocol type, bit error rate (BER), signal-to-noise ratio (SNR), framing marker, and sampling rate.

9. (Currently amended) The method of claim 29[[1]] wherein the receiving the streaming data signals further comprises receiving signals output from a vocoder.

10. (Currently amended) The method of claim 29[[1]] wherein the streaming data signals are selected from the group consisting of compressed voice, compressed video, and Voice Over IP (VOIP).

11. (Currently amended) The method of claim 29[[1]] wherein each of the frames contain a predetermined number of symbols.

12. (Currently amended) The method of claim 29[[1]] further comprising recreating portions of a frame from the interleaved symbols.

13. (Canceled)

14. (Currently amended) The system of claim 31[[13]] further comprising a de-interleaver at a remote receiver and operable to de-interleave the frames.

15. (Original) The system of claim 14 wherein the de-interleaver is operable to restore the previous series of frames.

16. (Original) The system of claim 14 wherein the de-interleaver is further operable to recreate portions of a frame from the interleaved symbols.

17.   (Currently amended) The system of claim 11[[13]] wherein the symbol interleaver is
       further operable to interleave using a predetermined number of symbols.

18.   (Original) The system of claim 17 wherein the symbol interleaver is further operable to
       select the predetermined number of symbols according to a predetermined spreading
       computation.

19.   (Previously Presented) A system for transmitting A/V data signals in a wireless network
       comprising:
             a stream of A/V data signals, each of the data signals corresponding to a particular
       symbol;
             a frame generator operable to arrange the symbols into a series of frames; and
             a symbol interleaver operable to interleave symbols from one of the series of
       frames with symbols from an adjacent series of frames using a predetermined number of
       symbols selected according to a dynamic computation.

20.   (Original) The system of claim 19 wherein the predetermined number of symbols varies
       as a result of link transmission characteristics.

21.   (Original) The system of claim 20 wherein the link transmission characteristics are
       selected from the group consisting of protocol type, bit error rate (BER), signal-to-noise
       ratio (SNR), framing markers, and sampling rate.

22.   (Currently amended) The system of claim 11[[13]] wherein the streaming data signals
       further comprise receiving signals output from a vocoder.

23. (Currently amended) The system of claim 21[[13]] wherein the symbol interleaver is further operable to interleave streaming data signals selected from the group consisting of compressed voice, compressed video, and Voice Over IP (VOIP).

24. (Currently amended) The system of claim 21[[13]] wherein each of the frames contain a predetermined number of symbols.

25. (Currently amended) A computer program product having computer program code for transmitting streaming data signals in a wireless network comprising:

computer program code for receiving streaming data signals, each of the data signals corresponding to a particular symbol;

computer program code for arranging the symbols in a series of frames;

computer program code for interleaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames, each frame having a respective bitmap stored with the frame, the bitmap indicating a symbol position that is to be interleaved;

computer program code for transmitting each of the frames to a remote receiver; and

computer program code for de-interleaving the symbols at the remote receiver.

26. (Currently amended) A computer data signal for transmitting streaming data signals in a wireless network comprising:

program code for receiving streaming data signals, each of the data signals corresponding to a particular symbol;

program code for arranging the symbols in a series of frames;

program code for interleaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames, each frame having a respective bitmap stored with the frame, the bitmap indicating a symbol position that is to be interleaved;

program code for transmitting each of the frames to a remote receiver; and

program code for de-interleaving the symbols at the remote receiver.

27.   (Currently amended) A system for transmitting streaming data signals in a wireless
network comprising:

means for receiving a streaming data signals, each of the data signals
corresponding to a particular symbol;

means for arranging the symbols in a series of frames;

means for interleaving the symbols in one of the frames with symbols in an
adjacent one of frames in the series of frames, each frame having a respective bitmap
stored with the frame, the bitmap indicating a symbol position that is to be interleaved;

means for transmitting each of the frames to a remote receiver; and

means for de-interleaving the symbols at the remote receiver.

28.   (Currently amended) The method of claim 29[[1]] wherein the streaming data signals
comprise audiovisual (A/V) data signals.

29.   (Currently amended) The method of claim 1 wherein the step of interleaving comprises
A method for transmitting streaming data signals in a wireless network comprising:

receiving streaming data signals, each of the data signals corresponding to a
particular symbol;

arranging the symbols in a series of frames; and

interleaving the symbols in one of the frames with symbols in an adjacent one of
the frames in the series of frames, using each frame having a respective bitmap stored
with the frame, the bitmap indicating a symbol position that is to be interleaved symbol
position map stored within the frame itself.

30.   (Currently amended) The system of claim 31[[13]] wherein the streaming data signals
comprise audiovisual (A/V) data signals.

31.   (Currently Amended) The system of claim 19 further comprising A system for
transmitting streaming data signals in a wireless network comprising:

streaming data signals, each of the data signals corresponding to a particular
symbol;

a frame generator operable to arrange the symbols into a series of frames;

a symbol interleaver operable to interleave symbols from one of the series of
frames with symbols from an adjacent series of frames; and

each frame having a respective bitmap stored within the frame, the bitmap
indicating a symbol position that is to be interleaved map stored within the frame itself,
wherein the symbol interleaver interleaves the symbols using the respective symbol
position map bitmap.